Open Data for Research Analytics: The SHARE Notification Service

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NORDP Annual Research Development Conference
Spring 2015
Research universities are long-lived and are mission-driven to generate, make accessible, and preserve over time new knowledge and understanding.
What is SHARE?

SHARE is creating an open data set about research activities across their life cycle. This comprehensive inventory of research will be widely accessible, discoverable, and reusable.
Stakeholders/beneficiaries

- Researchers
- Higher ed administration
- Libraries
- Repositories
- Research funders
Open data allows for innovation
Notify Providers Consumers

Gather

Providers

 Consumers
After only a few months...

700,000+ research release events

30 content providers
(about 10 more in development)
osf.io/share/docs

Note: This is a beta release of the SHARE API and may change in the future. Please see the SHARE Changelog for details.

**SHARE API Documentation**

The SHARE API allows you to access all Research Release Events in the SHARE database and publish your organization’s publications, data, repository holdings, or other research directly to SHARE. The API has three endpoints: `search`, `data`, and `stats`. “search” allows you to access information in SHARE. “data” allows you to post to SHARE, and “stats” gives metrics on the different providers in SHARE.

Created by the Center for Open Science
See more at [http://osf.io/share](http://osf.io/share)
Contact the developer

### SHARE : API endpoints

<table>
<thead>
<tr>
<th>Method</th>
<th>Endpoint</th>
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<tbody>
<tr>
<td>GET</td>
<td>/share/search</td>
</tr>
<tr>
<td>POST</td>
<td>/share/data</td>
</tr>
<tr>
<td>GET</td>
<td>/share/stats</td>
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</tbody>
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[ BASE URL: /api/v1, API VERSION: 1.0.0 ]
A preclinical mouse model of glioma with an alternative mechanism of telomere maintenance (ALT)

Glioblastoma multiforme is the most aggressive primary tumor of the central nervous system. Glioma stem cells (GSCs), a small population of tumor cells with stem-like properties, are supposedly responsible for glioblastoma multiforme recapse after current therapies. In approximately thirty percent of glioblastoma multiforme tumors, telomeres are no...

Maya Jetteny - Jose Pinzada - Qingyuan Liu - Resa Pomeca - Françoise Hoffschir - Chantal Desnazo - David Sharpe
See All

Released on 2015-04-02 08:00 PM

Conversational aphasia therapy: Investigating the adoption of strategies by people with agrammatism

Background: A recent review of interaction for conversational-focused therapy highlighted the potential of programmes targeting the person with aphasia (PWA) directly. However, it noted the key limitations of current work in this field to be a reliance on single case analyses and qualitative evidence of change, a situation that is not...
What does this mean for you?

• Competitive analyses
• Matchmaking
• Broad scope of content

• FREE TO USE
• DATA IS OPEN
• INVITATION TO CONTRIBUTE
Under the hood

- Modularity
- Reliability
- Flexibility
- Scalability
Live demo
What we’ve learned

● Metadata is used inconsistently across the research ecosystem
● Providers are unsure of their rights to share metadata
● Solutions will involve improvements to workflow, policy, and technical infrastructure
Where we’re going

- Analyze stakeholders’ current processes through which research passes from conception to completion
- Promote and reward policies that encourage data sharing
- Deploy multiple strategies to enhance metadata in open data set
Providers Consumers
Enhance
Enhancement

- Open
- Collect
- Identify
- Connect
SHARE is a Community Project

Opportunities for participation:

● **Infrastructure**
  
  https://github.com/centerforopenscience/share
  https://osf.io/wur56/wiki/

● **Policy/Workflow**
  
  SHARE Working Group
  Standards, identifiers, behaviors
Help us make this work for you

• How would you use SHARE?
• What would you need it to connect to?
• What content would it need to have?
• Interest in piloting?
Find this presentation at https://osf.io/mn76t/